

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"20040263823"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:21
L2	22	("20020024645" "5229872" "5296891" "5523193" "5559584" "5969441" "6046792" "6342941" "6399518").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:21
L3	9	("20020024645" "5229872" "5296891" "5523193" "5559584" "5969441" "6046792" "6342941" "6399518").PN.	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21
L4	1629	355/75.ccls.	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21
L5	6529	load adj lock	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21
L6	1834277	exchang\$3 or transfer\$5	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21
L7	5863	L5 and chamber	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21
L8	4681	L6 and L7	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21
L9	39	L4 and L8	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21
L10	2	("5559587").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/28 15:21
L11	3	("5571560"   "5876280").PN. OR ("6399518").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/28 15:21
L12	0	("2004/0109152").URPN.	USPAT	OR	ON	2006/11/28 15:21

## EAST Search History

L13	13	("20010035942"   "20020002946"   "20020074635"   "20020081175"   "20030082466"   "5217501"   "5376212"   "5474641"   "5486080"   "5748827"   "5958198"   "6778258").PN. OR ("6927842").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/28 15:21
L14	2	"20040263823"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:21
L15	1	L14 and chamber	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:21
L16	2	("6778258").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/28 15:21
L17	2	("20030082466").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/28 15:21
L18	2	("5486080").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/28 15:21
L19	0	L18 and (temperat\$5 or therm\$4 or heat or cool)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:21
L20	5	("5217501").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/28 15:21

## EAST Search History

L21	5	L20 and (temperat\$5 or therm\$4 or heat or cool)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:21
L22	10365	(therm\$4 adj treat\$5) with (wafer or object or substrate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:21
L23	0	L20 and L22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:21
L24	17	((("20030082466") or ("5376212") or ("20020081175") or ("5486080") or ("20040109152") or ("20010035942") or ("5969441") or ("6399518"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/28 15:21
L25	4995	L22 and "17"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:21
L26	0	L22 and L24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:21
L27	2362	(therm\$4 adj treat\$5) near (wafer or object or substrate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:21
L28	0	L24 and L27	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:21

## EAST Search History

L29	3225	355/75.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:21
L30	1629	355/75.ccls.	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21
L31	168245	"430"/\$.ccls. or "250"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21
L32	6529	load adj lock	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21
L33	1834277	exchang\$3 or transfer\$5	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21
L34	5863	L32 and chamber	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21
L35	4681	L33 and L34	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21
L36	340	L31 and L35	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21
L37	2	"20050264777"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:21
L38	93553	"399"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:21
L39	2	("6144826").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/28 15:21
L40	2	("20040263823").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/28 15:21

## EAST Search History

L41	1	L40 and (load near lock near chamber)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:21
L42	22	("20020024645" "5229872" "5296891" "5523193" "5559584" "5969441" "6046792" "6342941" "6399518").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:21
L43	6529	load adj lock	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21
L44	1834277	exchang\$3 or transfer\$5	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21
L45	5863	L43 and chamber	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21
L46	4681	L44 and L45	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21
L47	0	("2004/0109152").URPN.	USPAT	OR	ON	2006/11/28 15:21
L48	2	("5486080").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/28 15:21
L49	0	L48 and (temperat\$5 or therm\$4 or heat or cool)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:21
L50	5	("5217501").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/28 15:21
L51	10365	(therm\$4 adj treat\$5) with (wafer or object or substrate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:21

## EAST Search History

L52	0	L50 and L51	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:21
L53	17	(("20030082466") or ("5376212") or ("20020081175") or ("5486080") or ("20040109152") or ("20010035942") or ("5969441") or ("6399518")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/28 15:21
L54	4995	L51 and "17"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:21
L55	0	L51 and L53	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:21
L56	2362	(therm\$4 adj treat\$5) near (wafer or object or substrate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:21
L57	0	L53 and L56	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:21
L58	3225	355/75.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:21
L59	168245	"430"/\$.ccls. or "250"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21
L60	6529	load adj lock	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21
L61	1834277	exchang\$3 or transfer\$5	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21

## EAST Search History

L62	5863	L60 and chamber	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21
L63	4681	L61 and L62	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21
L64	2	("20040263823").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/28 15:21
L65	2	"20040263823"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:21
L66	1	L65 and chamber	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:21
L67	1	L64 and (load near lock near chamber)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:21
L68	2	"20040263823"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:21
L69	9	("20020024645" "5229872" "5296891" "5523193" "5559584" "5969441" "6046792" "6342941" "6399518").PN.	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21
L70	1629	355/75.ccls.	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21
L71	39	L70 and L46	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21

## EAST Search History

L72	2	("5559587").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/28 15:21
L73	3	("5571560"   "5876280").PN. OR ("6399518").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/28 15:21
L74	13	("20010035942"   "20020002946"   "20020074635"   "20020081175"   "20030082466"   "5217501"   "5376212"   "5474641"   "5486080"   "5748827"   "5958198"   "6778258").PN. OR ("6927842"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/28 15:21
L75	2	("6778258").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/28 15:21
L76	2	("20030082466").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/28 15:21
L77	5	L50 and (temperat\$5 or therm\$4 or heat or cool)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:21
L78	2	"20050264777"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:21
L79	2	("6144826").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/28 15:21
L80	340	L59 and L63	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21



## EAST Search History

L81	1629	355/75.ccls.	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21
L82	93553	"399"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 16:19
L83	1629	L70	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:21
L84	171	L83 and @pd>"20051206"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:21
L85	11	L84 and (load near lock)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:21
L86	508	( (load near lock) AND ((process\$3 or project\$3) near chamber) ). CLM.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:21
L87	508	( (load near lock) AND ((process\$3 or project\$3) near chamber) ). CLM.	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21
L88	3	( (load near lock) AND ((process\$3 or project\$3) near chamber) AND (object\$3 near handl\$3) ).CLM.	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21
L89	159	( (load near lock) AND ((process\$3 or project\$3) near chamber) AND (robot) ).CLM.	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21
L90	48	( (load near lock) AND ((process\$3 or project\$3) near chamber) AND (robot) and support ).CLM.	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21

## EAST Search History

L91	2	("5486080").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/28 15:21
L92	42	("3901183"   "4008683"   "4282924"   "4695215"   "5083896"   "5186594"   "5404894").PN. OR ("5486080").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/28 15:21
L93	5	("5217501").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/28 15:21
L94	38	("4915777"   "4923584"   "4938691"   "5015330"   "5067218").PN. OR ("5217501").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/28 15:21
L95	2	("5376212").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/28 15:21
L96	24	("4785962"   "4825808"   "4851101"   "4908095"   "5217501").PN. OR ("5376212").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/28 15:21
L97	21749	(tokyo near electron).as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:21
L98	55	( (load near lock) AND ((process\$3 or project\$3) near chamber) AND (robot) and support ) and L97	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21
L99	65594	"414"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21
L100	6891	(load near lock)	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21
L101	869	L99 and L100	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21
L102	3309	(load near lock) and ((robot or support) same chamber)	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21

## EAST Search History

L103	643	L99 and L102	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21
L104	2511	(load near lock) and ((project\$4 or process\$3) near chamber) and ((robot or support) same chamber)	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21
L105	568	L99 and L104	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21
L106	20737	"355"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21
L107	55244	"356"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21
L108	131	L99 and L107	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21
L109	78	L99 and L106	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21
L110	1629	355/75.ccls.	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21
L111	18805	L99 and "23"	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21
L112	27	L99 and L110	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21
L113	2	"20050129489"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:21
L114	114313	"414"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:21
L115	1834277	exchang\$3 or transfer\$5	US-PGPUB; USPAT	OR	ON	2006/11/28 15:21
L116	16842	L115 and L114	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:21

## EAST Search History

L117	2227	L114 and (transfer near (object or wafer))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:21
L118	2	("6486444").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:21
L119	21749	(tokyo near electron).as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 16:19